

**CLAIMS :**

1. A belt sander comprising;  
a first roller (34);  
a second roller (38); and  
a casing (28);  
characterised in that the casing (28) is located between the first roller (34) and the second roller (38).
2. A belt sander as claimed in Claim 1 wherein the belt sander further comprises;  
a body (20);  
a motor capable of driving a roller (38); and  
a belt (44);  
the first roller (34) and the second roller (38) being capable of supporting the belt (44).
3. A belt sander as claimed in Claim 2 wherein the casing (28) is located within the confines of the belt (44).
4. A belt sander as claimed in Claim 1 wherein the casing (28) is exposed to the atmosphere.
5. A belt sander as claimed in Claim 2 wherein the second roller (38) and casing (28) are attached to the body (20).
6. A belt sander as claimed in Claim 1 wherein the casing (28) comprises an adjustment mechanism (32), the adjustment mechanism (32) being attached to the first roller (34).
7. A belt sander as claimed in Claim 6 wherein the adjustment mechanism (32) is capable of changing the distance between the first roller (34) and the second roller (38).

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8. A belt sander as claimed in Claim 2 wherein the casing (28) further comprises a power source capable of powering the motor.

9. A belt sander as claimed in Claim 8 wherein the power source is a power module (30).

10. A belt sander as claimed in Claim 8 wherein the power source is an electric battery.

11. A belt sander as claimed in Claim 2 wherein the casing (28) has an external surface (54) and the belt (44) has an internal surface (46) wherein the external surface (54) makes contact with the internal surface (46) thereby transferring support from the casing (28) to the belt (44).

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